

Interference

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|----------|------------------|---------|------------------|
| L6 | 178 | ((collector or drain) near voltage with gate near voltage with first with second comparator with logic and protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:51 |
| L7 | 127 | ((collector or drain) near voltage with gate near voltage with first with second comparator with logic with protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:53 |
| L8 | 19 | ((collector or drain) near voltage with gate near voltage with reduc\$4 with first with second comparator with logic with protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:54 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 17 | "5,210,479" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/07/02 11:13 |
| S2 | 16 | ("4429339" "4509089" "4564895" "4580063" "4581540" "4607171" "4672524" "4691269" "4719531" "4721869" "4725741" "4743815" "4777579" "4859921" "4875000" "4890009").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/05 14:40 |
| S3 | 14 | ("5210479").URPN. | USPAT | OR | OFF | 2005/04/05 14:53 |
| S4 | 1748 | power near transistor same (protection protecting) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/05 15:31 |
| S5 | 29 | power near transistor same (protection protecting) and first near comparator and second near comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/05 15:45 |
| S6 | 27 | power near transistor same (protection protecting) and short near (detect detecting detection) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/05 15:45 |
| S7 | 7 | ("4996964" "5156127" "5190019" "5388560" "5415148" "5490489" "5581131").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/04/05 16:09 |
| S8 | 0 | "361.91.1" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/05 16:30 |
| S9 | 605 | "361/91.1" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/05 16:30 |
| S10 | 1 | 10/773,283 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:11 |

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| S11 | 22 | "4,581,540" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 10:39 |
| S12 | 29 | "4,,721,869" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 10:39 |
| S13 | 10256 | dc near ac near converter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:11 |
| S14 | 750 | dc near ac near converter and short near circuit | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:12 |
| S15 | 38 | dc near ac near converter and short near circuit near protection | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:26 |
| S16 | 12 | dc adj ac near converter and short near circuit near protection | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:51 |
| S17 | 676970 | hybrid near vehicle and AC near motor and dc adj ac converter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 13:52 |
| S18 | 4 | hybrid near vehicle and AC near motor and dc adj ac near converter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 15:07 |
| S19 | 641 | 361/93.1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 15:07 |
| S20 | 294 | 361/93.9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/04/06 16:31 |

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| S21 | 0 | "10773283" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 12:18 |
| S22 | 1 | "10/773,283" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 12:24 |
| S23 | 1 | IGBT and terraced near voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 12:24 |
| S24 | 0 | IGBT and terrace near voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:32 |
| S25 | 288 | IGBT near trench | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:32 |
| S26 | 166 | trench adj IGBT | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:33 |
| S27 | 10 | trench adj IGBT same advantage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:36 |
| S28 | 16 | IGBT near trench same advantage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:36 |

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| S29 | 403 | IGBT same (overvoltage or over adj voltage) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:56 |
| S30 | 0 | IGBT same (overvoltage or over adj voltage) and comparator same reference near divider | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 13:57 |
| S31 | 1 | IGBT same (overvoltage or over adj voltage) and comparator same reference near3 divider | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 15:01 |
| S32 | 2 | ("5650906").URPN. | USPAT | OR | ON | 2005/10/28 14:15 |
| S33 | 1 | 10/773,293 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 15:02 |
| S34 | 1 | 10/773,283 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/28 15:02 |
| S35 | 8 | "6,323,518" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/03 10:40 |
| S36 | 4 | "6,180,966" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/03 10:45 |
| S37 | 18 | "5,210,479" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/03 11:08 |

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| S38 | 1 | 10/773,283 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/03 11:08 |
| S39 | 1 | 10/773,283 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 11:39 |
| S40 | 19 | "5,210,479" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:38 |
| S41 | 5 | ("4937697" "5210479" "5444595" "5548133" "5550702").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/07 13:22 |
| S42 | 218 | (IGBT or MOS MOSFET FET field adj effect) near (over adj current or overcurrent) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:40 |
| S43 | 20 | (IGBT or MOS MOSFET FET field adj effect) near (over adj current or overcurrent) same comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:46 |
| S44 | 302 | (IGBT or MOS MOSFET FET field adj effect) with (over adj current or overcurrent) same comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:47 |
| S45 | 40 | (IGBT) with (over adj current or overcurrent) same comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:47 |
| S46 | 16 | (IGBT) with (over adj current or overcurrent) near9 comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 13:54 |

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| S47 | 7 | IGBT with (gate adj voltage near detect\$3) near9 comparator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:15 |
| S48 | 25 | (voltage or power switching) near converter and hiccup | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:08 |
| S49 | 0 | (voltage or power switching) near converter and hiccup and (over and under) adj volatge | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:09 |
| S50 | 2 | (voltage or power switching) near converter and hiccup and (over and under) adj voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:09 |
| S51 | 4 | (voltage or power switching) near3 converter and hiccup and (over and under) adj voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:15 |
| S52 | 5 | power near supply and hiccup and (over and under) adj voltage | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 14:15 |
| S53 | 1196 | IGBT same trench | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:16 |
| S54 | 48 | IGBT same trench and (over adj current or overcurrent) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:16 |

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| S55 | 689 | 361/91.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/07 16:27 |
| S56 | 726 | 361/91.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/29 14:18 |
| S57 | 1194 | 361/91.5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/29 17:57 |
| S58 | 412 | 361/93.9.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/01 12:49 |
| S59 | 178 | ((collector or drain) near voltage with gate near voltage with first with second comparator with logic and protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:51 |
| S60 | 127 | ((collector or drain) near voltage with gate near voltage with first with second comparator with logic with protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:53 |
| S61 | 19 | ((collector or drain) near voltage with gate near voltage with reduc\$4 with first with second comparator with logic with protect\$3).clm. | US-PGPUB | OR | ON | 2007/07/02 11:54 |